
2N5486

JFET VHF/UHF Amplifier

N-Channel — Depletion

Features

- Pb-Free Packages are Available*

MAXIMUM RATINGS ($T_J = 25^\circ\text{C}$ unless otherwise noted)

Rating	Symbol	Value	Unit
Drain–Gate Voltage	V		
		30	mAdc
Forward Gate Current	$I_{G(f)}$	10	mAdc
Total Device Dissipation @ $T_C = 25^\circ\text{C}$ Derate above 25°C	P_D	350 2.8	mW mW/ $^\circ\text{C}$
Operating and Storage Junction Temperature Range	T_J, T_{stg}	–65 to +150	$^\circ\text{C}$

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.



<http://onsemi.com>

TO-92 (TO-226AA)
CASE 29-11
STYLE 5

MARKING DIAGRAM

Device	Package	Shipping
2N5486	TO-92	1000 Units / Bulk
2N5486G	TO-92 (Pb-Free)	1000 Units / Bulk

*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

ELECTRICAL CHARACTERISTICS (T

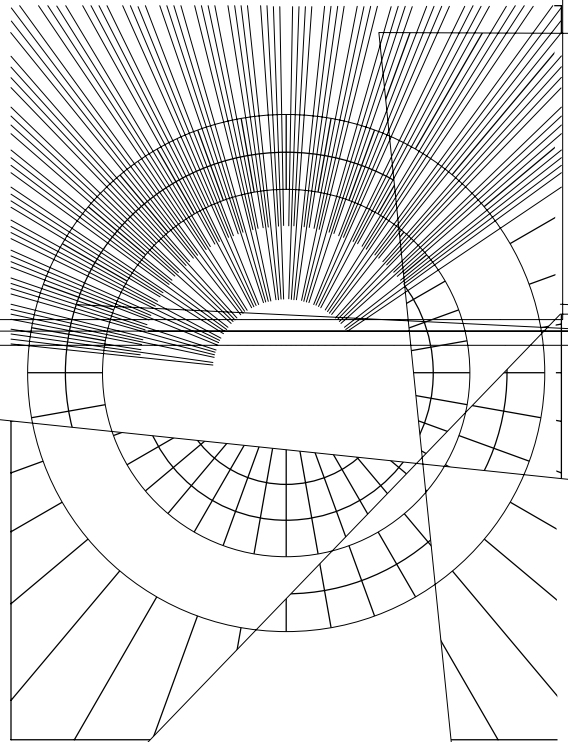
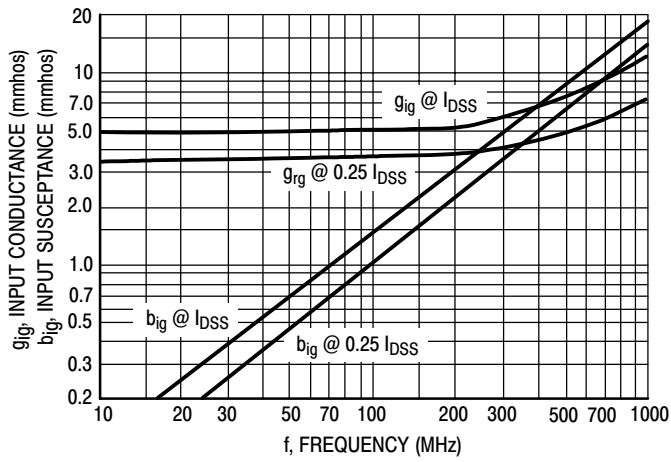
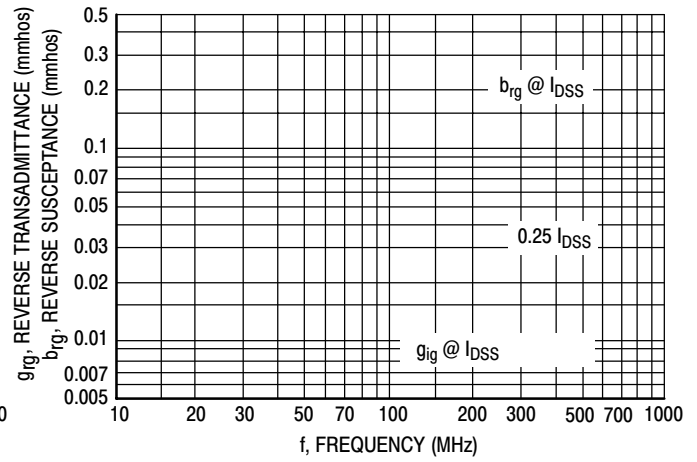
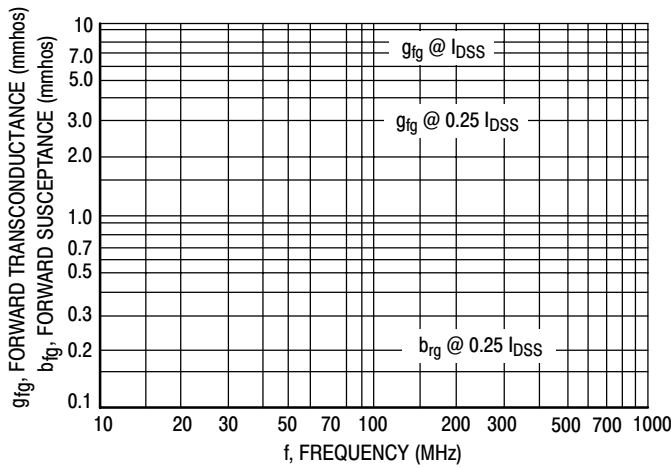
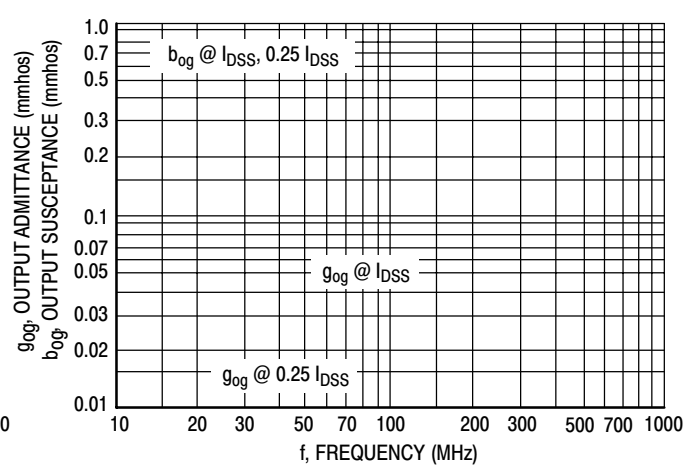


Figure 5. S_{11s}

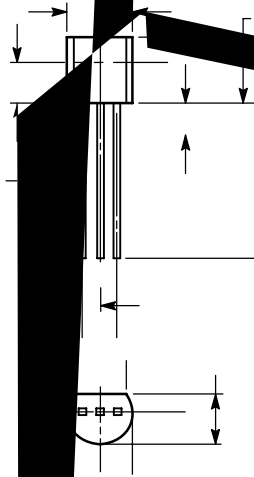
COMMON GATE CHARACTERISTICS

ADMITTANCE PARAMETERS

(V_{DG} = 15 Vdc, T_{channel} = 25°C)Figure 9. Input Admittance (y_{ig})Figure 10. Reverse Transfer Admittance (y_{rg})Figure 11. Forward Transfer Admittance (y_{fg})Figure 12. Output Admittance (y_{og})

2N5486

PACKAGE DIMENSIONS



- NOTES:
1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
 2. CONTROLLING DIMENSION: INCH.
 3. CONTOUR OF PACKAGE BEYOND DIMENSION R IS UNCONTROLLED.
 4. LEAD DIMENSION IS UNCONTROLLED IN P AND BEYOND DIMENSION K MINIMUM.